

(19) World Intellectual Property Organization
International Bureau



**(43) International Publication Date
16 June 2005 (16.06.2005)**

PCT

(10) International Publication Number
WO 2005/054243 A1

(51) International Patent Classification⁷: C07D 471/00
A61K 31/4995, A61P 9/12, C07D 241/00, 221/00

(74) **Agent:** **HOFMANN, Dieter**; Actelion Pharmaceuticals Ltd, Gewerbestrasse 16, 4123 Allschwil (CH).

(21) International Application Number: PCT/EP2004/013578

(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 30 November 2004 (30.11.2004)

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(36) Priority Data: PCT/EP03/13767 5 December 2003 (05.12.2003) EP

THE UNIVERSITY OF TORONTO LIBRARIES

(72) Inventors: and

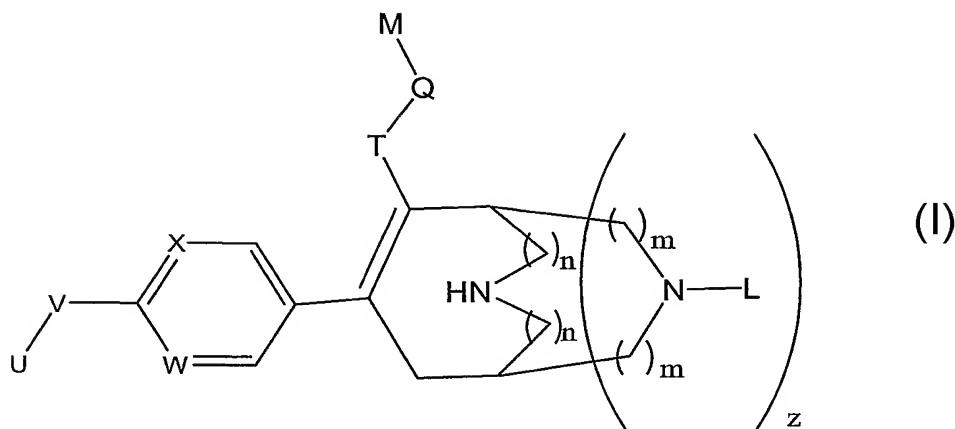
(75) Inventors/Applicants (for US only): BEZENCON-

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIAZABICYCLONONENE DERIVATIVES AND THEIR USE AS RENIN INHIBITORS



WO 2005/054243 A1

(57) Abstract: The invention relates to novel 3,9-diazabicyclo[3.3.1]nonene derivatives of formula (I), wherein Z is 0 or 1, one of m, n is 0 and the other is 1, and their use as inhibitors of renin.